WORKING INFORMATION FOR THE USE OF

CYKORA PAPER

General Information—Agfa Cykora is a new chloro-bromide enlarging paper primarily intended for portrait use and also suitable for commercial and illustration work. The paper has a long, uniform scale of gradation, wide developing latitude, and produces, upon normal development, warm brown-black tones. The three grades of contrast in which Cykora is supplied (designated by No. 1—soft, No. 2—medium, and No. 3—medium hard) have a uniform step-up in speed and gradation, without too pronounced differences between the grades. The available surfaces and contrasts are tabulated below:

	CONTRAST NUMBER		
	1 For Brilliant Negatives	2 For Average Negatives	3 For Medium-Soft Negatives
Single Weight			
Commercial Art	3511	3512	3513
Glossy	3431	3432	3433
Double Weight			
Commercial Art	3011	3012	3013
Kashmir White	3231	3232	3233
Kashmir Ivory	3241	3242	3243
Crystal White	3171	3172	3173
Porcelain White	3191	3192	3193
Porcelain Ivory	3201	3202	3203
Royal White	3211	3212	3213
Silk White	3111	3112	3113
Fabric White	3071	3072	3073

Safelight Recommendation—Handle and develop Cykora in orange or other standard bromide paper safelight, such as provided by Agfa Safelight Filter No. 104 used with a 25-watt lamp. Safelights that are used for contact printing paper are generally unsafe and should not be used.

When in doubt concerning the suitability of a safelight, the following test may be made. Cover half of a small piece of Cykora paper (No. 1) with opaque material and expose the uncovered half to the safelight for two minutes at the usual working distance. Develop the piece for 1½ minutes in total darkness or with the emulsion side of the test piece down in the tray. If the exposed half is gray after development, the light is not safe.

Exposure— Cykora paper No. 2 requires about double the exposure for Brovira Medium. The difference in speed between the three grades of Cykora is not great, although No. 3 will require somewhat more exposure than No. 2 and the latter more than No. 1. Exposure should be controlled so that development will be complete in the recommended times. This will assure warm blacks and a full scale of tones.

Development— For uniformity and convenience, the following developers are recommended for Cykora paper:

Agfa 135 Prepared Developer (for warm, brown-black tones).

Agfa 125 Prepared Developer (for slightly colder tones).

Agfa 115 (for very warm brown tones).

These developers may be obtained in packaged form, requiring only the addition of water. For those who prefer preparing their own solutions, the compositions of the recommended developers are given below. For best results all solutions should be kept as close as possible to a temperature of 70° Fahrenheit (21° C.).

AGFA 135

Standard Developer for Cykora Paper, producing warm brown-black tones, uniform over a wide range of developing times.

Stock Solution

	Metric	*Avoirdupois*
Hot Water (125° F. or 52° C.)	750 cc.	24 ounces
Agfa Metol	1.6 grams	24 grains
Agfa Sodium Sulphite, anhydrous	24 grams	¾ oz. 20 grs.
Agfa Hydroquinone	6.6 grams	96 grains
Agfa Sodium Carbonate, monohydrated	24 grams	¾ oz. 20 grs.
Agfa Potassium Bromide	2.8 grams	40 grains
Water to make	1 liter	32 ounces

For use dilute 1 part stock solution with 1 part water. Normal developing time 1½ to 2 minutes, at 70° F. (21° C.), but for under-exposed prints, longer development may be used.

AGFA 125

For slightly colder tones on Cykora Paper, and more rapid development.

Stock Solution

	Metric	*Avoirdupois*
Hot Water (125° F. or 52° C.)	750 cc.	24 ounces
Agfa Metol	3 grams	45 grains
Agfa Sodium Sulphite, anhydrous	44 grams	1½ ounces
Agfa Hydroquinone	12 grams	¼ oz. 60 grs.
Agfa Sodium Carbonate, monohydrated	65 grams	2½ ounces
Agfa Potassium Bromide	2 grams	30 grains
Water to make	1 liter	32 ounces

For use, dilute 1 part stock solution with 2 parts water. Normal developing time, 1 to 2 minutes at 70° F. (21° C.), but longer development may be used.

AGFA 115

Glycin Hydroquinone Developer for very warm brown tones on Cykora Paper. Requires twice the exposure as needed when Formula 135 is used.

Stock Solution

	Metric	*Avoirdupois*
Hot Water (125° F. or 52° C.)	750 cc.	24 ounces
Agfa Sodium Sulphite, anhydrous	90 grams	3 ounces
Agfa Sodium Carbonate, monohydrated	150 grams	5 ounces
Agfa Glycin	30 grams	1 ounce
Agfa Hydroquinone	9.5 grams	¼ oz. 30 grs.
Agfa Potassium Bromide	4 grams	60 grains
Water to make	1 liter	32 ounces

For use, dilute 1 part stock solution with 3 parts water. Normal developing time 2 to 3 minutes at 70° F. (21° C.).

ACID SHORT-STOP BATH

For best results an acid short-stop bath between development and fixation is strongly recommended. The solution stops development and prevents staining of the prints. It should be kept fresh.

	Metric	*Avoirdupois*
Water	1 liter	32 ounces
Acetic Acid 28%	45 cc.	1½ ounces

Glacial Acetic Acid may be diluted to 28% concentration by adding 3 parts of acid to 8 parts of water.

AGFA 201 ACID HARDENING FIXER

This hardening fixer may be stored indefinitely and used repeatedly until exhausted. If the bath froths or turns cloudy it must be replaced by fresh solution. Dissolve chemicals in order given.

Solution I	*Metric*	*Avoirdupois*
Hot Water (125° F. or 52° C.)	2 liters	½ gallon
Hypo	960 grams	2 pounds
Solution II		
Water, about 125° F. (52° C.)	600 cc.	20 ounces
Agfa Sodium Sulphite, anhydrous	60 grams	2 ounces
Acetic Acid 28%	180 cc.	6 ounces
Agfa Potassium Alum	60 grams	2 ounces
Add Solution II to I, stirring rapidly		
Add water to make	4 liters	1 gallon

Prints should be completely fixed in 5 to 10 minutes. Agitate prints occasionally during fixation.

WASHING AND DRYING

After fixation, wash prints thoroughly, for at least 60 minutes in running water. When dried by means of mechanical dryers excessive heat should be avoided, as this may prove injurious to the print and interfere with obtaining uniform tones and quality.

TONING

Cykora is exceptionally well adapted to toning and almost any toner will give satisfactory results.

It is preferable that prints to be toned should be developed in Agfa 135. The tones producible by various toners are given below:

Agfa Direct Sepia Toner	Chocolate Brown
Agfa Brovira Toner	Chalk Red to Brown
Agfa Flemish Gold Toner	Purplish Brown
Hypo Alum	Warm Sepia
Sepia Redevelopment	Warm Sepia

Agfa Direct Sepia Toner is bottled in several sizes which needs only to be diluted with water and heated for use.

Agfa Brovira Toner and bleaching powders are available in packaged form.

Agfa Flemish Gold Toner is also available in convenient packaged form.

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